

Changlong Hao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

1,759
citations

29
h-index

40
g-index

70
ext. papers

2,527
ext. citations

12.6
avg, IF

5.23
L-index

#	Paper	IF	Citations
64	Enantiomer-dependent immunological response to chiral nanoparticles.. <i>Nature</i> , 2022 , 601, 366-373	50.4	36
63	Ultrasmall Magneto-chiral Cobalt Hydroxide Nanoparticles Enable Dynamic Detection of Reactive Oxygen Species .. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	4
62	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	10
61	The development of chiral nanoparticles to target NK cells and CD8 T cells for cancer immunotherapy.. <i>Advanced Materials</i> , 2022 , e2109354	24	4
60	Chiral Nanoassemblies 2022 , 79-147		
59	Chiral Self-Assembled Film from Semiconductor Nanorods with Ultra-Strong Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2021 , 133, 26480	3.6	0
58	Facet-Dependent Biodegradable Mn O Nanoparticles for Ameliorating Parkinson's Disease. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101316	10.1	2
57	Chiral Self-Assembled Film from Semiconductor Nanorods with Ultra-Strong Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26276-26280	16.4	3
56	Chiral Plasmonic Triangular Nanorings with SERS Activity for Ultrasensitive Detection of Amyloid Proteins in Alzheimer's Disease. <i>Advanced Materials</i> , 2021 , 33, e2102337	24	15
55	Improved Reactive Oxygen Species Generation by Chiral Co ₃ O ₄ Supraparticles under Electromagnetic Fields. <i>Angewandte Chemie</i> , 2021 , 133, 18388-18394	3.6	0
54	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021 , 5, 103-113	19	36
53	Metabolic profile of chiral cobalt oxide nanoparticles in vitro and in vivo. <i>Nano Research</i> , 2021 , 14, 2451	10	1
52	Improved Reactive Oxygen Species Generation by Chiral Co O Supraparticles under Electromagnetic Fields. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18240-18246	16.4	9
51	Tailored Chiral Copper Selenide Nanochannels for Ultrasensitive Enantioselective Recognition and Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24997-25004	16.4	1
50	Self-limiting self-assembly of supraparticles for potential biological applications. <i>Nanoscale</i> , 2021 , 13, 2302-2311	7.7	6
49	Chiral Cu Co S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13915-13922	16.4	15
48	Chiral Cu _x Co _y S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie</i> , 2020 , 132, 14019-14026	3.6	7

47	Rapid, ultrasensitive and highly specific biosensor for the diagnosis of SARS-CoV-2 in clinical blood samples. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2000-2005	7.8	32
46	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β Amyloidopathy In Vivo. <i>Angewandte Chemie</i> , 2020 , 132, 7197-7204	3.6	6
45	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β Amyloidopathy In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7131-7138	16.4	38
44	Chiral Cu OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020 , 32, e1906580	24	29
43	Chiro-magnetic Plasmonic Nanoassemblies with Magnetic Field Modulated Chiral Activity. <i>Small</i> , 2020 , 16, e1905734	11	5
42	Immuno-chromatographic test strip for the rapid detection of tricaine in fish samples. <i>Food and Agricultural Immunology</i> , 2020 , 31, 687-699	2.9	6
41	Rapid and Sensitive Immuno-chromatographic Method-Based Monoclonal Antibody for the Quantitative Detection of Metalaxyl in Tobacco. <i>ACS Omega</i> , 2020 , 5, 18168-18175	3.9	4
40	Rapid quantitative determination of fentanyl in human urine and serum using a gold-based immuno-chromatographic strip sensor. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8573-8584	7.3	17
39	Engineering of chiral nanomaterials for biomimetic catalysis. <i>Chemical Science</i> , 2020 , 11, 12937-12954	9.4	13
38	Artificial Chiral Probes and Bioapplications. <i>Advanced Materials</i> , 2020 , 32, e1802075	24	52
37	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
36	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17418-17424	16.4	6
35	Circular Polarized Light Activated Chiral Satellite Nanoprobes for the Imaging and Analysis of Multiple Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3913-3917	16.4	52
34	Circular Polarized Light Activated Chiral Satellite Nanoprobes for the Imaging and Analysis of Multiple Metal Ions in Living Cells. <i>Angewandte Chemie</i> , 2019 , 131, 3953-3957	3.6	19
33	Circularly Polarized Light Triggers Biosensing Based on Chiral Assemblies. <i>Chemistry - A European Journal</i> , 2019 , 25, 12235-12240	4.8	13
32	Au@gap@AuAg Nanorod Side-by-Side Assemblies for Ultrasensitive SERS Detection of Mercury and its Transformation. <i>Small</i> , 2019 , 15, e1901958	11	35
31	An Ultrasensitive Electrochemical Immunosensor for Nonylphenol Leachate from Instant Noodle Containers in Southeast Asia. <i>Chemistry - A European Journal</i> , 2019 , 25, 7023-7030	4.8	5
30	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7371-7374	16.4	55

29	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie</i> , 2019 , 131, 7449-7452	3.6	22
28	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. <i>Advanced Materials</i> , 2019 , 31, e1903200	24	34
27	Porous Cu Co S Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19067-19072	16.4	10
26	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. <i>Angewandte Chemie</i> , 2019 , 131, 17579-17585	3.6	1
25	Porous CuxCoyS Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. <i>Angewandte Chemie</i> , 2019 , 131, 19243-19248	3.6	2
24	Chiral Core-Shell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19373-19378	16.4	73
23	Quantitative zeptomolar imaging of miRNA cancer markers with nanoparticle assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3391-3400	11.5	52
22	Chiral Molecule-mediated Porous Cu O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson's Disease. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1091-1099	16.4	134
21	Spiky Fe ₃ O ₄ @Au Supraparticles for Multimodal In Vivo Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1800310	15.6	44
20	Chiral Shell Core-Satellite Nanostructures for Ultrasensitive Detection of Mycotoxin. <i>Small</i> , 2018 , 14, e1703931	11	40
19	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. <i>Materials Horizons</i> , 2018 , 5, 141-161	14.4	37
18	Spiny Nanorod and Upconversion Nanoparticle Satellite Assemblies for Ultrasensitive Detection of Messenger RNA in Living Cells. <i>Analytical Chemistry</i> , 2018 , 90, 5414-5421	7.8	44
17	Chirality on Hierarchical Self-Assembly of Au@AuAg Yolk-Shell Nanorods into Core-Satellite Superstructures for Biosensing in Human Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1802372	15.6	43
16	Circular Dichroism-Active Interactions between Fipronil and Neuronal Cells. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 500-507	11	9
15	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. <i>Nature Chemistry</i> , 2018 , 10, 821-830	17.6	120
14	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018 , 47, 4677-4696	58.5	78
13	Heterostructures of MOFs and Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1805320	15.6	36
12	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. <i>Nature Communications</i> , 2018 , 9, 4494	17.4	42

11	Peptide Mediated Chiral Inorganic Nanomaterials for Combating Gram-Negative Bacteria. <i>Advanced Functional Materials</i> , 2018 , 28, 1805112	15.6	16
10	Template-Free Hierarchical Self-Assembly of Iron Diselenide Nanoparticles into Mesoscale Hedgehogs. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16630-16639	16.4	33
9	Unusual Circularly Polarized Photocatalytic Activity in Nanogapped GoldSilver Chiroplasmonic Nanostructures. <i>Advanced Functional Materials</i> , 2015 , 25, 5816-5822	15.6	85
8	Assembled plasmonic asymmetric heterodimers with tailorable chiroptical response. <i>Small</i> , 2014 , 10, 1805-12	11	38
7	A silver enhanced and sensitive strip sensor for Cadmium detection. <i>Food and Agricultural Immunology</i> , 2014 , 25, 287-300	2.9	35
6	A highly sensitive enzyme-linked immunosorbent assay for copper(II) determination in drinking water. <i>Food and Agricultural Immunology</i> , 2014 , 25, 432-442	2.9	25
5	Immuno-driven plasmonic oligomer sensor for the ultrasensitive detection of antibiotics. <i>RSC Advances</i> , 2013 , 3, 17294	3.7	12
4	Chiral supernanostructures for ultrasensitive endonuclease analysis. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5539-5542	7.3	10
3	Plasmonic Core-Satellites Nanostructures with High Chirality and Bioproperty. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2379-84	6.4	37
2	Oligonucleotide-based fluorogenic sensor for simultaneous detection of heavy metal ions. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 174-8	11.8	68
1	Systematic comparisons of genetically modified organism DNA separation and purification by various functional magnetic nanoparticles. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 910-917	3.8	9